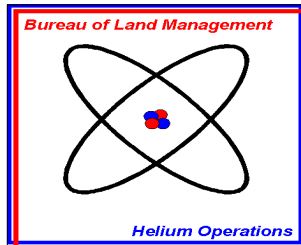


# Bureau of Land Management

## Amarillo Field Office Helium Operations



### Statistical Report for July - 2000



#### *Distribution:*

Fluid Minerals Group Manager, Washington Office  
New Mexico State Director  
Associate State Director  
Petroleum Engineer  
Field Manager, Amarillo Field Office  
Division Chiefs (3)  
Team Leaders  
-Federal Leased Lands  
-Gas Analysis  
-Resources Evaluation  
-Natural Gas Engineering

#### *List of Tables*

Table 1 - Summary of Helium Operations  
\* **Table 2 - Helium Sales**  
\* **Table 3 - Helium Resources Evaluation**  
\* **Table 4 - Federal Acquisition & Storage Operations**  
\* **Table 4.1 - Helium Storage Contract Activity**  
Table 5 - Pipeline & Cliffside Field Operations

Amarillo, Texas

Issued: September 27, 2000

*\* Revised \**

**\*Tables include COMPANY PROPRIETARY INFORMATION (shaded) and is for internal use only.  
This information shall not be released unless express permission is authorized.**

Approved for distribution: Nelson R. Bullard /s/

Date: 09/27/2000

**Table 1 - Summary of Helium Operations**
**July - 2000**

In Kind Sales		NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind	Charges Billed (\$)**	
Total month		0	0	0	0	0	0	0	0	\$0	
Total FYTD		97,396	1,404	0	27,644	33,251	22,977	182,673	179,846	\$8,873,524	
Total CYTD		64,742	945	0	17,005	22,086	19,143	123,920	122,002	\$6,039,168	
In Kind Transfers								Month	FYTD	CYTD	Cumulative
Transferred								0	178,900	121,970	424,488
Volume outstanding								57,876			
Purchased Helium	Helium-Gas Mixture	Month Helium Percent	Helium	Month Low Purity Helium	FYTD	Month Below 50% Helium	FYTD	FYTD	CYTD	Cumulative	
	Total purchased									32,176,145	
	Purchased helium produced / transferred		0					178,900	121,970	2,409,828	
	Balance of purchased helium in storage									29,766,317	
Private Plant Activity											
Accepted in storage system	100,358	70.00%	70,250	752	16,253	(280)	(2,209)	773,058	536,672	5,785,213	
Redelivered from storage system	(235,746)	69.63%	(164,146)	0	0	11	1,675	(1,304,014)	(975,825)	(5,054,218)	
Total apparent crude produced^	249,182	70.11%	174,706					1,861,367	1,280,514	NA	
Total apparent crude refined^	(336,795)	69.90%	(235,435)					(2,025,011)	(1,466,769)	NA	
Storage Contract Activity	Gross Gas Month	Helium	Metered Gas Helium			Transferred Gas Helium		Stored Helium	Charges Billed Dollars**		
			FYTD	CYTD	Cumulative	Month	Cumulative	EOM	Month	FYTD	
	Crude Acquired	98,634	69,970	770,849	535,655	23,165,034	88,778	22,878,873			
	Crude Disposed	235,582	164,135	1,302,339	975,714	16,880,397	88,778	22,454,116			
	Grade-A Rdlvrd	0	0	0	0	1,427,554	0	0			
Net/Balance	(136,948)	(94,165)	(531,490)	(440,059)	4,857,083	0	424,757	4,587,994	\$214,712	\$1,857,725	
Bush Dome Reservoir Operations			Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery		
Conservation gases from all sources			Gross	Net	Gross	Net	Gross	Net	Gross	Net	
In underground storage, beg. of period			47,660,195	34,394,460	48,270,503	34,836,504	490,620	490,620	0	0	
Net Activity			(128,263)	(93,256)	(738,571)	(535,300)	47,041,312	33,810,584	47,531,932	34,301,204	
Total in underground storage			47,531,932	34,301,204	47,531,932	34,301,204	47,531,932	34,301,204	47,531,932	34,301,204	
Native Gas											
Total in place, beg. of period			209,012,085		209,039,114		265,724,755		318,727,000		
Net Activity			(5,064)								
Total in place, end of month			209,007,021								
Native Gas plus Conservation Gases											
Total gases in place, beg. of period			256,672,280		257,309,617		266,215,375		318,727,000		
Net Activity			(133,327)		(770,664)		(9,676,422)		(62,188,047)		
Total gases in place, end of month			256,538,953		256,538,953		256,538,953		256,538,953		
Helium Resources Evaluation					Month		FYTD				
Revenue Collected from Federal Lease Holds					\$165,813		\$3,011,014				
Helium Sample Collection Report			Submitted	115	Received	115	Analyzed	103			
Customer Comment Cards Mailed					Month		0	FYTD	17		

**Table 5 - Pipeline & Cliffside Field Operations**  
**All Volumes in Mcf at 14.65 psia & 60°F**

**July - 2000**

	1	2	3	4	5	6	7	8
	Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
<b>Conservation Pipeline</b>								
Beginning of period inventory (1)	19,901	13,931	18,919	13,243	0	0		
Measured to pipeline (2)	233,685	163,597	1,870,814	1,310,367	101,378,120	72,617,724		
Measured from pipeline (3)	235,746	164,147	1,874,749	1,304,024	35,647,011	25,636,862		
Measured into Bush Dome (4)	0	0	2,152	1,512	64,353,584	46,235,012		
Calculated inventory (1+2-3-4)	17,840	13,381	12,832	18,074	1,377,525	745,850		
End of period inventory	19,817	13,872	19,817	13,872	19,817	13,872		
Line gain or (loss)	1,977	491	6,985	(4,202)	(1,357,708)	(731,978)		
Percent gain (loss) of total measured	0.421%	0.150%	0.186%	-0.161%	-0.674%	-0.507%		
<b>Bush Dome Reservoir Operations</b>								
<b>Conservation gases from all sources</b>								
In underground storage, beg. of period	47,660,195	34,394,460	48,270,503	34,836,504	490,620	490,620	0	0
Injected during period to date	0	0	2,152	1,512	64,353,855	46,234,973	64,961,755	46,842,873
Withdrawn during period to date	128,263	93,256	740,723	536,812	17,358,692	12,470,538	17,475,972	12,587,818
Helium from Exell-Soncy	0	0	0	0	46,149	46,149	46,149	46,149
Total in underground storage	47,531,932	34,301,204	47,531,932	34,301,204	47,531,932	34,301,204	47,531,932	34,301,204
<b>Native Gas</b>								
Total in place, beg. of period	209,012,085		209,039,114		265,724,755		318,727,000	
Recoverable in place, beg. of period	199,961,085		199,988,114		256,673,755		309,676,000	
Production during period to date	5,064		32,093		56,717,734		109,719,979	
Total in place, end of month	209,007,021		209,007,021		209,007,021		209,007,021	
Recoverable in place, end of month	199,956,021		199,956,021		199,956,021		199,956,021	
<b>Native Gas plus Conservation Gases</b>								
Total gases in place, beg. of period	256,672,280		257,309,617		266,215,375		318,727,000	
Total gases in place, end of month	256,538,953		256,538,953		256,538,953		256,538,953	
Change during period	(133,327)		(770,664)		(9,676,422)		(62,188,047)	
<b>Tuck Trigg Reservoir Operations</b>								
<b>Native Gas</b>								
Total in place, beg. of period	5,231,108		5,233,991				5,890,000	
Recoverable in place, beg. of period	4,561,108		4,563,991				5,220,000	
Production during period to date	0		2,883				658,892	
Total in place, end of month	5,231,108		5,231,108				5,231,108	
Recoverable in place, end of month	4,561,108		4,561,108				4,561,108	
<b>Ave. reservoir pressure, beg. of period</b>	814.6		675.8		685.0		814.1	
<b>Ave. reservoir pressure, beg. of period</b>	486.7		487.0				548.0	